

What Is Claimed Is:

1. In a fan apparatus installed to a chamber of a  
handler and a plurality of bearing housing installed to  
both ends of a <sup>40</sup> case in which a shaft connected to a  
rotation central shaft of a rotation motor is installed  
therein, the fan apparatus comprising:  
    a first housing having a first guide recess  
formed;

10       a second housing contained in the first housing  
and slidable therein;  
    a bearing being installed inside the second  
housing and supporting the shaft;  
    a plurality of labyrinth being installed at both  
15 sides of the bearing and supporting the bearing; and  
    a push cover covering the second housing inserted  
into the first housing.

2. The fan apparatus of claim 1, wherein a grease  
20 inlet capable of filling grease and a plug for sealing  
the grease inlet are combined with one side of the first  
housing.

3. The fan apparatus of claim 1, wherein a  
25 plurality of first guide recesses are formed in the  
direction opposite to each other on the inner  
circumferential surface of the first housing.

4. The fan apparatus of claim 1, wherein the second housing has the plurality of second guide recesses formed on outer circumferential surface thereof which are installed facing with the plurality of first guide recesses.

5. The fan apparatus of claim 3, wherein a plurality of keys are slidably inserted and mounted into the plurality of first guide recesses and the plurality 10 of second guide recesses.

10

6. The fan apparatus of claim 5, wherein the number of the keys installed at the second guide recess and inserted into the first guide recess is the same as the second guide recesses and the first guide recesses respectively formed at the second housing and the first housing.

1

20  
X